




**From:** "Mike" <mike@celectronics.com>   
**To:** "Kyle Fujimoto" <kyle@mail.celectronics.com>  
**Date:** 12/01/2004 05:45 PM  
**Subject:** FW: SJE Rhombus -- FW: Response to Inquiry to FCC (Tracking Number 165802)

Best Regards

Mike Christensen  
Lab Manager  
Compatible Electronics, Inc. - Brea Division  
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-----Original Message-----

**From:** Dan Muzzey [mailto:DanM@sjerhombus.com]  
**Sent:** Wednesday, December 01, 2004 6:02 AM  
**To:** Mike  
**Subject:** SJE Rhombus -- FW: Response to Inquiry to FCC (Tracking Number 165802)

Mike

Below is the response from the FCC on testing our wireless Tank Alert product to Rule Part 15.231(a). We would like to move ahead with this. If you could let me know when you can fit it into the schedule I would appreciate it.

Dan Muzzey

Design Engineer

SJE Rhombus

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**From:** OET Generic account [mailto:oetech@fccsun34w.fcc.gov]  
**Sent:** Tuesday, November 30, 2004 9:27 AM  
**To:** Dan Muzzey  
**Subject:** Response to Inquiry to FCC (Tracking Number 165802)

**Inquiry:**

SJE Rhombus has an alarm product that we feel should be classified as a security or safety device as it applies to Sec 15.231. SJE Rhombus feels that this is justifiable based on the intent of the product. The alarm product in question monitors the level in a septic tank and alerts a home owner if the level gets to high. There are roughly 30 million septic tanks in the United States. As the alarm may go years without activation, SJE Rhombus feels that it is necessary to use a supervisory transmission to ensure the integrity of the system. This would allow us to alert the home owner in advance of any problems. SJE Rhombus also feels that this alarm is both a security device and a safety device. SJE Rhombus feels that it a security device because the intent of the alarm is to protect a home. Failure of the alarm could lead to homes being flooded by sewer water. It is not uncommon for home damage to exceed \$10,000. SJE Rhombus also feels that this is a safety application. This believe is based on the definition found in the American Heritage Dictionary: A device designed to prevent accidents. Once again it is conceivable that a failed transmitter resulting in a flooded basement could result in electrocution or fire. The use of supervisory transmissions could prevent this by alerting the user to impending problems with their system. For these reasons we believe that our device should be allowed to operate under 15.231 (a), and be allowed to use supervisory transmissions as allowed for in subpart 3. The device in question operates at 418MHZ and meets all the qualifications for periodic transmissions at this frequency. The supervisor signal meets the requirements of part a in this section

**Response:**

Based on your description of the device, we agree that this falls under FCC Rules Part 15.231(a), and should be certified as such.

Do not reply to this message. Please select the [Reply to an Inquiry Response](#) link from the OET Inquiry System to add any additional information pertaining to this inquiry.

